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Des Moines College.

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OF THE

Officers, Faculty and Students

...OF...

Des Moines College,

Des Moines, - Iowa,

1897-1898.

DES MOINES, IOWA:
RICHARDS & CASSEL, PRINTERS,
1898.

COLLEGE CALENDAR.

The year is divided into four quarters of twelve weeks, and each quarter into two terms of six weeks. The fourth quarter is vacation. Between the other quarters there is a vacation of one week.

1898.

First Quarter, September 27—December 23.

First Term, September 27—November 13.
Second Term, November 14—December 29.

1899.

Second Quarter, January 2—March 24.
First Term, January 2—February 10.
Second Term, February 13—March 24.

Third Quarter, April 3—June 23.
First Term, April 3—May 12.
Second Term, May 15—June 23.
Commencement Exercises, June 23-28.

1898.

November 11, Tuesday, Senior Contest for Witter Prize.
November 24, Thursday, Thanksgiving.
December 14, Friday, Junior Contest for Hunn Prize.

1899.

January 11, Tuesday, Sophomore Contest for McKay Prize.
January 26, Thursday, Day of Prayer for Colleges.
February 14, Tuesday, Freshman Contest.
February 22, Wednesday, Washington's Birthday.
March 16, Thursday, Music Contest for Tilden Prize.
June 23, Friday, Address before Literary Societies.
" 25, Sunday, Baccalaureate Sermon.
" 25, Sunday, Evening, Address before Religious Societies.
" 26, Monday, Afternoon, Academy Commencement.
" 26, Monday, Evening Music Commencement.
" 27, Tuesday, Annual Meeting of Trustees.
" 27, Tuesday, Afternoon, Class Day Exercises.
" 27, Tuesday, Evening, Alumni Reunion.
" 28, Wednesday, Commencement.

BOARD OF TRUSTEES.

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MILTON REMLEY.

Vice-Presidents,
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FACULTY.*

HERBERT LEE STETSON, B, D., A. M., D. D., *President, and Professor of History and Philosophy.*

B. D., Baptist Union Theological Seminary, 1878; Pastor, Logansport, Indiana, 1878-87; A. M., Franklin College, 1886; Pastor, Des Moines, Iowa, 1887-89; Editor, *Indiana Baptist*, 1886-89; D. D., Franklin College, 1889; President, Des Moines College, 1889-98.

JAMES POMEROY STEPHENSON, A. B., A. M., Ph. D., *Recorder and Professor of English Language and Logic.*

A. B., Oberlin College, 1867; Principal Ellington Academy, 1867-8; Rochester Theological Seminary, 1868-71; A. M., Oberlin College, 1887; A. M. and Ph. D., University of Syracuse, 1891; Professor at Des Moines College, 1887-.

THOMAS MARCUS BLAKESLEE, Ph. B., A. M., Ph. D., *Professor of Mathematics and Astronomy.*

Ph. B., Colgate University, 1874; A. M., Ph. D., Yale University, 1880; Professor of Mathematics Des Moines College, 1880-89; Acting Professor of Mathematics, University of South Dakota, 1889-90; Graduate Student at the University of Goettlengen, 1890-91; Professor of Mathematics and Astronomy, Des Moines College, 1891-96; Graduate Student at the University of Chicago, 1896-97; Professor of Mathematics and Astronomy, Des Moines College, 1897-.

FLORENCE TYLER STEPHENSON, A. B., A. M., *Professor of English Literature.*

A. B., Oberlin College, 1892; Assistant Lady Principal and Instructor of Latin, Iowa College, 1883-85; Graduate Student in English at University of Chicago, 1895; Lady Principal and Professor of French and German Languages and English Literature, Des Moines College, 1887-.

FLORA ETTA HARRIS, A. B., A. M., *Associate Professor of Greek Language and Literature.*

A. B., Central University of Iowa, 1885; Instructor of Greek, University of Des Moines, 1886-87; Instructor in Greek, Amity College, 1887-88; A. M., Central University of Iowa, 1889; Lady Principal and Instructor in Greek and Latin, Sioux Falls University, 1888-92; Graduate Student in Greek, University of Chicago, 1896; Assistant Professor of Greek, Des Moines College, 1892.

FRANK ELBERT GOODELL, A. B., *Professor of Chemistry and Physics.*

A. B.. University of South Dakota, 1889; Student at Chicago Medical College, 1889-90; Graduate Student, University of South Dakota, 1890; Graduate Student in Chemistry and Physics, Johns Hopkins, 1890-92; Graduate Student in Chemistry, University of Chicago, 1895; Instructor in Chemistry and Physics, Des Moines College, 1892-.

*With the exception of the President the names are arranged in the order of College seniority.

Ada Frances Norton, *Instructor in German and French.*

A. B., University of Utah, 1891; Principal of Schools, Murray, Utah; A. B., Des Moines College, 1893; Tutor in Latin, Des Moines College Academy, 1892-3; Graduate Student in Latin and Greek, University of Chicago, 1893-94; Student in German and French in Europe, 1894-96; Graduate Student in German and French, University of Chicago, 1896-97; Instructor in German and French, Des Moines College, 1899.

Horatio Hackett Newman, *Instructor in Latin and Biology.*

A. B., McMaster University, 1896; Graduate Student in Biology, University, of Toronto, 1896-97; Graduate Student in Biology, University of Chicago, 1897; Instructor in Latin and Biology, Des Moines College, 1897-98.

Carrie M. Laird, *Librarian.*

Una Chandler, J. L. Adams, Ward M. Fallgatter, Mabel Mentzer, *Tutors in the Academy.*

Mrs. Margaret Weber, *Instructor in Vocal Music.*

Student with R. C. Taylor, Chicago; W. H. Lieb, New York; J. W. Campbell, Toronto, and W. N. Burritt, Chicago; Supervisor of Music Public Schools, North Des Moines, 1895; Instructor in Vocal Music, Des Moines College, 1897-98.

Lillian Brakefield Stetson, *Instructor in Piano Forte.*

Graduate in Music, Des Moines College, 1895; Tilden Gold Medalist, *ibidem*, 1896; Gold Medalist, Iowa State Teachers' Association, 1895; Graduate of Des Moines Musical College, 1897; Instructor in Piano Forte, Des Moines College, 1896-.

REQUIREMENTS FOR ADMISSION.

1.) *Age.*

Applicants for admission into the College classes must be fourteen years old.

2.) *Certificates.*

All who desire to enter any of the classes for the first time must present from reliable persons, certificates of good moral character.

3.) *Examinations.*

All applicants must satisfy the Faculty of the College that they are qualified to undertake the work which they wish to pursue. It will be necessary for students to present to the President their credentials from their instructors, or from the institutions in which they have studied. This College has a set of blanks which must be filled.

4. *Entrance Requirements.*

Requirements for admission into the Freshman class are given in the following subjects, but not all of these subjects are required for admission from any one candidate. The different ways of meeting the entrance requirements are found on page 15. The student can select one of the "Groups" in which he wishes to be examined.

1. *English.*

(1) Grammar. This includes analysis and criticism of sentences.

(2) Rhetoric. Elementary complete.

(3) English Literature. One major and a half in an outline history of English Literature, with a study of selected masterpieces from representative authors. In addition there will be required a careful study of all the works named below for a given year.

The candidates will be required to write a short composition upon a subject to be announced at the time of examination. It must cover not less than two pages (foolscap), and it will be graded in punctuation, use of capital letters, spelling, grammar and principles of rhetoric. The duration of the examination will be two hours. The subject assigned will require for its successful treatment the careful reading of an English classic.

The works assigned for reading for the examination are as follows:

For 1898:—Milton's Paradise Lost, Books I and II; Pope's Iliad, Books I and XXII; The Sir Roger de Coverly Papers in the Spectator; Goldsmith's The Vicar of Wakefield; Coleridge's The Ancien

Mariner; Southey's Life of Nelson; Carlyle's Essay on Burns; Lowell's Vision of Sir Launfal; Hawthorne's House of The Seven Gables.

For 1899:—Chaucer's The Knight's Tale or Dryden's Palaman and Arcite; Pope's Iliad, Books I, VI, XXII and XXIV; The Sir Roger de Coverly Papers in The Spectator; Goldsmith's The Vicar of Wakefield; Coleridge's The Ancient Mariner; DeQuincey's The Flight of a Tartar Tribe; Cooper's The Last of the Mohicans; Lowell's The Vision of Sir Launfal; Hawthorne's House of The Seven Gables.

For 1900:—Chaucer's The Knight's Tale or Dryden's Palaman and Arcite; Pope's Iliad, Books I, VI, XXII and XXIV; The Sir Roger de Coverly Papers in The Spectator; Goldsmith's The Vicar of Wakefield; Scott's Ivanhoe; De Quincey's The Flight of a Tartar Tribe; Cooper's The Last of the Mohicans; Tennyson's The Princess; Lowell's The Vision of Sir Launfal.

The works here given are those recommended by the Commission of Colleges in New England on admission examinations.

REMARK. The object of these requirements are: (*a*) To secure the ability to think and write correctly, readily and clearly; (*b*) to secure thoughtful acquaintance with the best in our literature, and to nourish a love for it.

☞Particular attention is called to the following:

A certain number of works will be prescribed for careful, minute and thorough study. This part of the examination will be upon subject-matter, literary form and logical structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy. The books prescribed for this part of the examination are:

For 1898:—Shakespeare's Macbeth; Burke's Speech on Conciliation with America; DeQuincey's Flight of a Tartar Tribe; Tennyson's Princess.

For 1899:—Shakespeare's Macbeth; Milton's Paradise Lost, Book I and II; Burke's Speech on Conciliation with America; Carlyle's Essay on Burns.

For 1900:—Shakespeare's Macbeth; Milton's Paradise Lost, Books I and II; Burke's Speech on Conciliation with America; Macaulay's Essay on Milton and Addison.

No candidate will be accepted in English whose work is seriously defective in spelling, punctuation, grammar, or division into paragraphs.

The English written by a candidate in any of his examination books will be regarded as a part of his examination in English.

2. *Geography.*

(1) Political. (2) Physical.

3. *History.* (*1*) *History of Greece and Rome.*

1) The History of Greece to the Death of Alexander.

2) The History of Rome to the Death of Augustus.

3) The above examination will call for general information on the facts of Greek and Roman history. There will also be expected a full treatment of any one or more of the following topics: (*a*) The Persian Invasion; (*b*) Greek Life; (*c*) Greek Literature; (*d*) Greek Art; (*e*) The Age of Pericles; (*f*) Alexander and his Empire; (*g*) The Development of the Roman Constitution; (*h*) The Manners and Customs of Early Republican Rome (509-264 B. C.); (*i*) The Second Punic War; (*j*) The Roman Military Organization; (*k*) The Roman Provincial Government; (*l*) Agrarian Laws and Agrarian Agitation; (*m*) Cæsar and Cæsarism.

REMARK.--The objects of these requirements are: (*a*) To supply the facts necessary to the understanding of Greek and Latin authors; (*b*) to furnish a model for later historical reading and study, and to give an appetite for such reading and study.

(2) *The History of the United States.*

More attention should be given to the period subsequent to the Declaration of Independence than to that preceding. The student should become familiar with the main facts in the development of the nation. As far as possible the use of books other than the one used as a text should be encouraged, by way of collateral reading. It should be remembered that no amount of mere knowledge will compensate for wrong habits of study, or for dislike of the subject. Montgomery's or Johnson's school texts are recommended.

4. *Mathematics.*

(1) Arithmetic.

(2) Algebra, through Logarithms.

(3) Plane Geometry. The demonstration of original propositions and the solution of original problems will be required.

(4) Solid geometry.

REMARK.—The objects of these requirements are; (*a*) the cultivation of orderly, continuous and independent thought; (*b*) preparation for the mathematical operations belonging to Mechanics, Astronomy and other later studies.

5. *Latin.*

The candidate must be prepared:

(1) To translate at sight narrative prose, similar to that of Cæsar.

(2) To translate into Latin sentences of average difficulty, based on Cæsar's "Gallic War."

(3) To translate at sight and scan an average passage from Virgil or Ovid, with questions on poetical forms and construction, and prosody.

(4) To translate at sight a piece of prose equal in difficulty to an average passage of Cicero's speeches, or letters with grammatical, literary and biographical questions.

(5) To translate into Ciceronian Latin a connected passage of idiomatic English.

REMARK.—The amount of Latin which one ought to read to meet the above may be thus indicated:

1. Cæsar, Gallic War, Books I-IV, or Books I-III and Sallust's Catiline.
2. Cicero, Orations Against Catiline, I, II, III, IV, Manilian Law and Poet Archias.
3. Ovid, two thousand lines.
4. Virgil, Æneid, Books I-VI, or Books I-V and the Eclogues.

6. *Greek.*

The candidate must be prepared:

(1) To translate at sight Attic Prose, similar to that of Xenophon's Anabasis, or the narrative portions of the New Testament, with grammatical, literary and biographical questions founded on these two works.

(2) To translate into Greek sentences of average difficulty, based upon the Anabasis.

(3) To translate an average passage of Homer, with scansion, and questions on Homeric grammar and prosody.

(4) To translate into Xenophonetic Greek a connected passage of idiomatic English.

REMARKS.—(*a*) The amount of Greek which one ordinarily would read to meet the above may be thus indicated:

1. Xenophon, Anabasis, Books I-IV.
2. Homer, Odyssey, Books I-III.

(*b*) The objects of the requirements in Latin and Greek are: (1) To secure such facility in reading these languages that the work in the College may be devoted largely to the study of the literary form, and of Roman and Greek life and thought, as reflected in these respective literatures. (2) To test the student's knowledge of the usual form, syntax and vocabulary of the authors named. (3) More stress is placed upon the quality than the quantity of work performed.

7. *Elementary German.*

(1) Proficiency in elementary German, implying especially, familiarity with the following topics: declension of such nouns as are readily classified, and of adjectives and pronouns; conjugation of strong and of the more weak verbs; the more common prepositions; the simpler uses of the model auxiliaries; the simpler rules of syntax, and of word order.

[The specifying of these topics is not proposed as restrictive, but rather to emphasize the importance of a thorough grounding of the pupil in those elements on which, later, good work is necessarily founded.]

(2) Ability to pronounce German, and to recognize German words and and simple phrases when uttered.

(3) Ability to write in German a paragraph on an assigned subject.

(4) Ability to follow a recitation conducted in German and to answer in that language questions by the instructor.

8, *Elementary French.*

(1) Proficiency in elementary grammar, implying especially, familiarity with the following topics: Inflections of nouns and adjectives for gender and number, excepting unusual cases; the pronominal adjectives; the use of pronouns, especially the forms and positions of personal pronouns; the partitive constructions; the inflection of the regular and more usual irregular verbs—such as *dire*, *faire* and the classes represented by *ouvir*, *sentir*, *paraitre*, *conduire* and *craindre*.

(2) Ability to translate simple prose at sight.

(3) Ability to translate standard French, that of Corneille, Racine and Moliere.

(4) Ability to write in French a paragraph upon an assigned subject.

(5) Ability to follow a recitation conducted in French and to answer in that language questions asked by the instructor.

REMARK.—The objects of the requirements in German or French are the same as in Latin and Greek.

9. *Sciences.*

(1) *Chemistry.*

Remsen's Briefer Course, Shepard's Elements, or an equivalent with laboratory work. The latter must be performed by the student himself and carefully recorded in a note book which must be presented at the time of entrance.

(2) *Physics.*

Avary, Cahart and Chute, Gage's Elements, or an equivalent, with laboratory work performed by the student. A certified laboratory note book showing, at least, thirty (30) experiments in physical measurements such as are described in the Manuals of Hall and Bergen, or Chute must be presented at the time of entrance.

(3) *Physiography.*

A knowledge of the earth's surface features, their modes of origin, their processes of development and decadence, the agencies involved and the methods of their action. A knowledge of physical geography as ordnarily treated will not be sufficient. The candidate

must be familior with the modern doctrines which relate to the evolution of the earth's features, and also the distribution of life upon the globe, and its relation to surface conditions and climate. This subject, if successfully presented, may count as one major and a half.

(4) *Geology.*

A knowledge of the elementary features of petrographical, structural, dynamical and historical geology. Familiarity with the modes of action of geological agencies, and clear synoptical views of the progress and relations of geological events are essential. The student should be able to trace the geographic evolution of the North American continent throughout the more important stages of geological history. This subject, when successfully presented, may count as one major and a half.

(5) *Astronomy.*

Proficiency in the fundamental facts and principles of Astronomy, including more recent developments in the direction of spectoscopy and photography. Thorough familiarity with Young's *Elements of Astronomy*, will afford adequate preparation.

(6) *Biology.*

Fifteen studies on the principal forms of animals and plants consisting of detailed drawings and explanatory notes. An elementary knowledge of the anatomy, physiology and classification of animals and plants, and clear notions of what is meant by the more common general terms, such as *organ*, *organism*, *protoplasm*, *cell*, *tissue*, *function*, *homology*, *germcells*, *development*, *genealogical relationship*, *species*, *genus*, *variation*, etc. Parker's *Elementary Biology* and Sedgwick and Wilson's *Biology* are suitable text books for preparation.

REMARK.—The object is is to train to habits of careful, intelligent observation of the external world.

10 *General Remarks upon Requirements.*

(1) The preparatory teacher should note that the College will insist, in all the above requirements, upon *the power to ascertain and use facts* in addition to a knowledge of facts.

(2) Groups.

Any student who passes upon all the subjects included in any one of the selected groups of subjects will be admitted to full standing in the Freshman year of the College.

The groups are intended to be equal in the quantity and quality of work required, and to insure in each case a full development of the student's powers. Real equivalents will be accepted if seasonable notice of a desire to present such equivalents is given. The full amount of English, Geography and History will be required in every case.

GROUPS.

In preparing for College the student is strongly urged to arrange his work according to one of the following groups, leading to the degrees of A. B., Ph. B. and S. B., respectively:

A. B.

Latin,	9	majors
Greek,	6	"
Mathematics,	5	"
English,	6	"
History,	3	"
Science,	2	"
Total,	31	majors

Ph. B.

Latin (or Greek),	9	majors
German (or French),	6	"
Mathematics,	5	"
English,	6	majors
History,	3	"
Science,	2	"
Total,	31	majors

S. B.

Latin,	6	majors
German or French,	6	"
Mathematics,	6	"
Science,	4	"
English,	6	"
History,	3	"
Total,	31	majors

REMARK.—The above is in addition to the requirements in geography, arithmetic, English grammar and United States history.

ADMISSION TO ADVANCED STANDING.

The number of majors required from undergraduates who are candidates for a Bachelor's degree is 36. Students who have carried their work beyond the requirements for admission may receive credit for as many majors as they have passed satisiactorily, and may reduce by that amount the number of majors required in the College course. Thus students who pass off nine majors will require but 27 for graduation, and may finish their course in three years of three quarters each.

For admission from other institutions, see General Regulations.

OPTIONAL ENTRANCE REQUIREMENTS.

A student who passes a satisfactory examination in any thirty-one of the following fifty-eight majors, may be admitted to full college standing, and upon completion of thirty six additional majors, in accordance with the rules and regulations of the institution, he will be entitled to the Bachelor's degree, appropriate to the course he has taken.

Subjects.	*M M.*	*Subjects.*	*M M.*
Latin,	9	Biology, Physiography, Astronomy,	3
Greek,	6	French,	6
Mathematics,	6	German,	9
History,	6	English,	6
Civics,	1		
Physics,	3		
Chemistry,	3		
Total,			58

This plan assumes; 1. That the candidate has taken thorough courses in the common school branches, namely: Complete Arithmetic, Grammar, History of the United States and Geography. No work in these can be counted in the above. 2. That if a student is admitted without Latin, he must make up at least six majors within eighteen months from the date of his entrance. 3. That no student will be allowed to offer more than the number of majors above designated in any one subject for entrance into the Freshman Class.

ADMISSION BY CERTIFICATE.

It is likely that after 1898, a list of high schools uniform for all the colleges af the state, will be made on the basis of the report made to the last State Teachers' Association by the committee on the unification of college entrance requirements. It is expected that the course of study which will entitle a high school to a place on the list must not be less than four years of thirty-six weeks in length, following the usual elementary course of eight years. The students in said course must not have more than four recitations daily, and the time of at least two teachers must be given exclusively to instruction in high school branches.

COURSES OF INSTRUCTION.

PHILOSOPHY.

1. *Logic.* The elements of deductive and inductive logic will be studied as an introduction to the general subject of Philosophy. It will be considered not only as a science, but also as an art. The purpose is to render the student so familiar with logical principles, and to

give such practice in detecting fallacies as will enable him to think correctly, and to recognize and refute fallacious arguments. Elective, one or two double minors. Text book: Jevon. Books of reference: Ballentine, Fowler, McCosh.

2. *Psychology.* This is an introductory course in general Psychology. The purpose is to enable the student to understand his own mental processes, and to stimulate independent thinking. The final appeal is to the individual consciousness. One major required of all students. The text used is Baldwin. Books of reference: Baldwin, James, Sully, Bain, Porter, Hœffding, Wundt and Ladd. Prerequisites: at least one major in advanced Physiology.

3. *History of Philosophy.* Three independent courses are offered. All are elective.

(1) Greek Philosophy. D. M. This includes the history of Greek thought to the time of the Sophists, and the teachings of Plato and Aristotle. The method is that of the study of the original authorities and consultation of Ueberweg, Zeller, Burt, Winkelband and Weber.

(2) Mediæval Philosophy. D. M. This course includes an examination of the philosophical theories of the middle ages. The same method is pursued here as above, and the authorities used are Ueberweg, Zeller, Burt, Falkenberg, Winkelband and Weber.

(3) Modern Philosophy. D. M. This begins with Des Cartes and Spinoza and continues with Leibnitz, Hume, Locke, Kant, Hegel and Schopenhouer. The method consists of lectures and an examination of the works of the great philosophical thinkers, and the use of such texts as Ueberweg, Falkenberg, Burt, Winkelband and Weber.

4. *Apologetics.* There are four courses offered. 4 M. All elective.

(1) The arguments for the being of God, or natural theology.

(2) The historical trustworthiness of the New Testament.

(3) The nature and effects of the Christian Religion.

(4) Modern anti-theistic theories, such as Agnosticism, Pantheism, etc.

In each of the above courses, the method of instruction is by lectures and constant use of a large list of the best authorities.

5. *Philosophy in its Relation to Religion.* D. M. Elective. This course is based upon Prof. Harris Philosophical Basis of Theism.

6. *Ethics.* D. M. Required of all students. The psychological basis of ethics is first considered, and then the nature and foundation of moral law and a critique of the conflict between perfectionism and hedonism, and rigorism, optimism and pessimism. Such texts as Robinson, Haven, Wayland, Seth, Muirhead and Mackenzie are constantly used.

HISTORY AND POLITICAL SCIENCE.

1. *History of Greece.* D. M. Elective. This course is intended for those who wish to pursue history as an elective, after courses 3 and 4.
2. *History of Rome.* Same as 1.
3. *History of Mediæval Europe.* Text books: Duruy and Emerton.
4. *History of Modern Europe.* Text book: Duruy.

Courses 3 and 4 are required of all students, and amount to three majors. The prerequisites are three majors, one in History of United States, one in History of Greece and one in History of Rome. It is very desirable that these courses, 3 and 4, be taken consecutively.

5. *History of England,* with special reference to the development of constitutional government. D. M. Elective.
6. *History of the United States,* with special reference to the origin and development of American political institutions. D. M. Elective.
7. *Political Science.* D. M. This course is elective, and is open only to those who have had courses 1, 2, 3 and 4. It consists of an examination of the nature and functions of the state, law and government. Such text books as Wilson's "The State," and Hoffman's "The Sphere of the State," and Willoughby's "The State," will be used.

ECONOMICS.

Three courses of twelve weeks each are offered in this department.

The aim of 1 is to give a view of Theoretical Economics.

The object of 2 is to show the difference between the sale of labor and that of commodities, also the rights of society as against those of the individual. Various remedies, both good and bad, that have been proposed for existing evils will be considered.

The purpose of 3 is so to modify the general laws deduced in 1, by neglecting important conditions, that theory and fact may be brought into harmony. Our course in 1 and 3 is somewhat similar to teaching first that the magnetic needle points North, and then later considering "the variation of the compass."

1. Theoretical Economics. Laughlin's Mill.
2. Socialism. Rae.
3. Modern Economics. Marshall.

GREEK.

The study of Greek is made to contribute so far as practicable to the promotion of general literary culture by imparting breadth of historic view, refinement of taste, nicety of discrimination, precision and elegance of expression. Close attention is given to the structure of the language. A careful study of Greek literature as created by statesmen, warriors, orators, historians and poets, is made.

Courses:

1. Herodotus, The Persian Empire, Herodotus as a Historian, Peculiarities of the Ionic Dialect. First Quarter: Five hours; required of all candidates for the degree of A. B.
2 Lysias, Orations, Review of Grammatical Principles, Legal, Political and Social Aspects of Athenian Life. Second Quarter: Five hours; required of all candidates for the degree of A. B.
3. Plato, Apology and Crito, Life of Socrates and Plato, Sight Readings from the Memorabilia. Third Quarter: Five hours; required of of candidates for the degree of A. B.
4. Demosthenes, De Corona, Attic Oratory, The Ecclesia, The Boule, Philip of Macedon. First Quarter: Five hours; required of candidates for the degree of A. B.
5. Euripides, Alcestis and Hecuba; study of the most common metres, The Greek Drama. Second Quarter: Five hours; required of candidates for the degree of A. B.
6. Plato Phædo, Work of Socrates, Greek Philosophy. Third Quarter: Five hours; required of all candidates for the degree of A. B.

The following elective courses are offered in Greek:

Demosthenes, Olynthincs and Philippics.
Sophocles' Antigone or Œdipus Tyrannus.
New Testament.

LATIN.

The purpose and the method in this department are the same as in Greek.

1. Cicero: De Senectute, et De Amiciti, or Select Letters, D. M. Required af all candidates for A. B. or Ph. B.
2. Livy: Selections. D. M. required as above.
3. Horace: D. M. required as above.
4. Selections from Juvenal, Martial or Persius, D. M. Elective.
5. Tactitus; Germania and Agricola, D. M. Elective.
6. Plautus and Terence, D. M. Elective.
7. Quintilian: Books X and XII, with selections from Tacitus' Dialogue and Cicero's rhetorical works. D. M. Elective.

ENGLISH.

1. *Language.*—Two courses are offered, each a D. M., and are required of all students.

(1) Rhetoric and English Composition. Class-room instruction, short themes and exercises during the quarter. The class-room work will be divided equally between theory and practice; for theory, Carpenter's *Exercises in Rhetoric and English Composition* is used as a text book. This course must be taken the Fall Quarter of the first year.

(2) A critical study of the different kinds of writing. Compositions of not less than four hundred words are required weekly.

2. *Literature.*

(1) Shakespeare. Two majors are required, and one elective. The required must be taken in the Fall Quarter of the second year. The interpretation of representative plays, the life and times of Shakespeare, source of the plot of one or two plays, and preparation of papers upon assigned topics. Prerequisite: Preliminary reading of eight or ten of the most important plays.

(2.) The English Romantic Poets from 1780 to 1830, two D. M.'s, one required and one elctive. The required must be taken in the Winter Quarter of the third year. Lectures will be given on the characteristics of the period, and the class will study typical poems of Burns, Cowper, Coleridge, Crabbe, Wordsworth, Scott, Byron, Shelley and Keats.

(3.) An introduction to English Literature. D. M. Prerequisite: *English 1.*

This course is required of all students, and is a prerequisite for all other courses in English Literature, and must be taken during the Winter Quarter of the first year. It is intended to be a college introduction to the study of literature. It is given in a series of master-pieces, which will be so selected and arranged and supplemented by such other study that the student may secure the following results: (1) a definite knowledge and appreciation of a number of English classics; (2) a general knowledge of the great periods in the development of English literature; (3) a distinct conception of the nature of literature, of lyric, narative and dramatic poetry, of the novel and essay.

(4) The elements of literature, D. M. This course is intended to be an introduction to the study of literature for college students. Such topics as the following will be examined: (1) Literature as an Art; (2) The Elements of Subject Matter; (3) The Elements of Form; (4) The Chief Species of Literature—Epic, Lyric and Dramatic Poetry, Fiction and Essay. Elective.

(5) English Literature of the Nineteenth Century. The works of Tennyson. D. M. Elective.

(6) Old English; Elementary Course. Grammar and easy reading. D. M. Elective.

(7) Old English (continued). Rapid reading of poetic texts. D. M. Elective.

FRENCH.

The aim of the work in French is to give the student such a knowledge of the language as will enable him to read the more important authors. All the courses are elective. But not less than three courses can be elected.

1. Grammar and practice in writing French. D. M.
2. Rapid reading of selections. D. M.
3. Modern Drama. French Composition. D. M.
4. Classical French of the seventeeth century; study of the middle classes with reference to the drama. D. M.
5. Literature of the nineteenth century; romantic, realistic and naturalistic schools. D. M.
6. Literature of the eighteenth century; French society before the Revolution. D. M.

GERMAN.

The work in German is designed for two classes of students, namely, for those who did not have German in their preparatory course, and those who took six majors before they entered college.

1. Elementary: Bernhardt's "*Sprach und Lesebuch.*" D. M.
2. Intermediate: Bernhardt's "*Sprach und Lesebuch.*" 2 D. M.
3. Bernhardt's "*Im Zwielicht.*" D. M.
4. Lessing: "*Minna von Barnhelm,*" and Schiller: "*Wilhelm Tell.*" D. M.
5. Reihl: "*Fluch der Schœnheit.*" D. M.
6. Freytag: "*Aus dem Staat Friedrich's des Grossen.*"
7. Gœthe: "*Dichtung und Wahrheit.*" D. M.
8. Schiller: "*Das Lied von der Glocke.*" D. M.

ENGLISH SCRIPTURES.

Courses in the English Scriptures are offered as follows:

1. Outline history of the Kingdoms of Israel and Judah. D. M.
2. Historical study of the prophets. D. M.
3. Studies in the Psalms. D. M.
4. Studies in the life and times of Christ. D. M.

MATHEMATICS.

The aim of the instruction in this department is threefold:

(1) And most important, to form the habits of accurate and precise expression, and to develop the power of logical thinking.

(2) To consider the science of mathematics as one whole rather than made up of disconnected parts. (To this end, so far as the numbers calling for the courses will permit, continuous work may be taken in this department during the entire four years.)

(3) To impart mathematical knowledge in special subjects.

1. Solid Geometry. This is required for entrance to S. B. course.
2. Trigonometry. Plane and Spherical. See Course 12.
3. College Algebra. Required for courses after 5.

These courses form a year's work as do Courses 4 and 5.

4. Analytic Geometry. Required for 5 and 6.
5. Calculus. Required for 7.
6. Calculus. Required for 7.
7. Analytic Mechanics. Half a year.
8. Analytic Mechanics. Half a year.
9. Astronomy. Nothing beyond 2 required.
10. Astronomy. Six weeks. Requires 7.
11. Vector and Graphic Algebra. No college requirements.
12. Advanced Trigonometry.
13. Determinants.
14. Advanced Analytic Geometry.
15. Advanced Calculus.
16. Projective Geometry.
17. Descriptive Geometry.
18. Theory of Equations.
19. Theory of Probability.
20. Quaternions.

CHEMISTRY.

1. General Chemistry, 3 D. M. This course includes three hours of class-room work and eight hours laboratory work each week for an entire year. The object of the course is to give the student a firm grasp of the fundamental principles of science, to develop skill in observation and manipulation, and to furnish a basis for more advanced courses. The laboratory exercises comprise an extended series of experiments upon the non-metals, metals and their compounds, including a number of quantitative experiments illustrating some of the more important laws of chemical action.

   Prerequisite: Physics 1, or an equivalent.

2. Qualitative Analysis. Students taking this course are expected to have had course 1, or an eqvivalent. Those who have had some previous training in chemistry will be permitted, however, to take qualitative analysis during the last quarter of course 1. The amount and variety of the work will depend somewhat on the ability and future plans of the student.

3. Quantitative Analysis. This course presupposes some knowledge of qualitative analysis, but special students or teachers are permitted to carry it in connection with course 2. The course includes a study of the principles of gravimetric and volumetric analysis and in detail will be varied to suit the needs of the student.

4. Inorganic Preparations. This course consists in the preparation of a number of chemically pure inorganic compounds, and in the purification of crude materials.

PHYSICS.

1. Elementary course. 2 D. M. This course is intended for students who do not offer Physics at entrance. It includes three class room exercises and five hours of laboratory work each week for two quarters Students desiring credit in Physics who have had no satisfactory laboratory work (see entrance requirements in Physics), but have a good knowledge of the principles, are required to do the laboratory work given in connection with this course. This work may be performed in accordance with the rules in regard to extra work. Carhart and Chute's Physics is used as the text book, and the laboratory experiments are selected chiefly from the manuals of Hall and Bergen, Stone and Chute. Prerequisite: Plane Geometry. Winter and Spring Quarters.
2. Electricity and Magnetism. D. M. This course is intended to be supplementary to course 1, and is offered in the Fall quarter.
3. General Physics. 2 D. M. Fall and Winter quarters. This course extends over two quarters, five hours a week, and covers the subjects of mechanics, of solids, liquids and gases, sound, heat, light and electricity. Prerequisites: Course 1, or an equivalent, and Plane Trigonometry.
4. Laboratory Practice. D. M. Spring quarter. This course is intended to follow course 2. It is wholly quantitive in character, and covers the subjects taken up in the previous course. The aim is to instruct the student in the use of physical apparatus, to train him in habits of accuracy, and to develop the ability to interpret observations correctly. The manuals of Stewart and Gee, Vols. 1 and II, Sabine, Kohlrausch and others are used.

BIOLOGY.

Physiology: A general, though accurate, knowledge of the anatomy and physiology of man including the most recent results will be aimed at. Martin's "Human Body," advanced course, will form the basis of the work.

Elementary Zoology: Types of the Phyla of the animal kingdom will be studied in the laboratory, where accuracy of observation and description will be insisted upon. Special topics, as Protective Resemblance, Degeneration and Distribution of Animals will be considered in the class exercises. Parker's Elementary Biology will be used, supplemented by other standard works. 2 D. M. Both must be taken to receive credit.

Elementary Botany: This course will consider biological principles as illustrated by the plant kingdom. Typical plants from the lowest to the highest will furnish laboratory exercises. Lectures will deal with organic evolution. D. M.

GEOLOGY.

Under the general head of Dynamical Geology the course will deal with physiography, geographic and structural geology as thoroughly as the time will permit. This will occupy the Winter Quarter. During the Spring Quarter, Historical Geology, or the evolution of the earth structure and organic beings, will be pursued. LeConte's "Elements of Geology" will outline the work which will be supplemented by U. S. Geological Beports and various monographs. In the Second Quarter special attention will be paid to Iowa geology. Both quarters' work must be taken for credit. 2 D. M.

I. GENERAL STATEMENTS.

1. *Location.*

Des Moines College is located on West Ninth Street, in the north division of Des Moines, and is easily reached from all parts of the city by the West Ninth street cars.

2. *Grounds.*

The campus is nearly six acres in extent, and is admirably situated for good drainage and the general convenience of the students.

3. *Buildings.*

There are two substantial brick buildings, known as North Hall and Nash Hall. The former contains President's office, library, Y. M. and Y. W. C. A. rooms, music room, chemical, physical and biological, laboratories and toilet rooms. The other contains chapel and six large and well lighted lecture rooms. The building is warmed by hot air furnaces.

II. GENERAL ANNOUNCEMENTS.

1. *To Whom Open.*

The College is open to all persons of good character who comply with its rules and regulations.

2. *Affiliation with the University of Chicago.*

Attention is called to these important points:

(1) The Academy as well as the College is included.

(2) The examinations are approved by the University in the same manner in which they are approved for its own work,

(3) The papers (all examinations are written) prepared by the students when taking an examination are sent to the University and graded there.

(4) The University issues its own certificate of attainment to all students in this College who are successful in their examinations.

(5) When a sufficient number of these certificates (75 majors) has been secured, the University will confer the same degree to which the

student would be entitled if in the Colleges of the University at Chicago.

3. *The Advantages of Affiliation are:*

(1) Impartiality in examinations.

(2) Constant stimulation to the best work which come only through very close relations with a great and growing University.

(3) Increased thoroughness and breadth of work because of the tests which are applied in the examiuations.

(4) The increase in the force of instructors.

(5) The opportunity to win a degree from the University.

(6) The opportunity to win a Fellowship which will pay the tuition ($150) of a student for one year in any of the graduate schools of the University.

(4) *Music.*

Students who wish to study music, both instrumental and vocal, will find very superior advantages. The college has secured the services of very excellent teachers.

5. *Painting.*

Those who wish to take lessons in painting will find good instruction.

6. *General Expenses.*

The following table will furnish an estimate of the annual expenses of a student for thirty-six weeks in the College.

	Lowest	*Average*	*Liberal*
Tuition	$ 36.00	$ 36.00	$ 36.00
Library	3.00	3.00	3.00
Room rent	18 00	27.00	54.00
Laundry	10.00	15.00	20.00
Text books	5.00	10.00	15.00
Board	54.00	81.00	108.00
Total	$126.00	$172.00	$236.00

III. GENERAL REGULATIONS.

(1) *Quarters and Terms.*

The year is divided into four quarters, of twelve weeks each. The fourth quarter, July to October, is summer vacation.

(2) *Fees.*

(1) The fee for tuition is $12.00 a quarter, or $36.00 for the year. (2) Library fee, $1.00 a quarter or $3.00 a year. (3) There will be a special charge for students in Chemistry of $5.00 for each major course and $3.00 for each minor course. Special charges for breakage and damage to apparatus by students to cover actual loss. (4) Music: (a) Instrumental, per term, one hour for each lesson, $20.00, and per term, forty minutes for each lesson, $15.00. (b) Vocal, per

term, $20.00. A term consists of twenty lessons, and must be taken within the Quarter. Theory, $5.00; Harmony, $5.00 per term. Rent of piano, per term, one hour a day, $3.00. (5) For Painting, the fees are term of twenty-four lessons, $12.00; by the lesson, 50 cents.

(3) *Students from other Institutions.*

Students who are honorably dismissed from other Institutions may be admitted to the College in the following manner: Advanced standing will be assigned to such students under these conditions—(1) The preparatory work and the College work already performed will be credited so far as they are really equivalent to the work required for admission to this College and to the majors and minors in its curriculum. (2) Satisfactory evidence must be furnished that this work has been performed in a proper manner. The official record of a student's work in an institution will usually be considered such evidence. (5) Any advanced standing thus assigned will be regarded as probationary, until the student has shown by his work in this College that he is entitled to the place given him; and in case the character of this work is such as to create doubt as to the character of that which has preceded, the College explicitly reserves the right to reconsider the assignment of advanced standing and to exact examination in each course for which credit has been given

(4) *Special Students.*

Students not candidates for a degree may be admitted to the courses of instruction offered in the College under the following conditions: (1) There must be sufficient reason for not entering the regular classes. (2) The usual examinations preliminary to the subject or subjects desired must be satisfactorily passed. (3) Such special students must be subject to the regulations of the College. (4) Having been admitted, they must maintain a standard that will warrant their continuance.

The faculty reserves the right of depriving a special student of his privileges at any tims, in case he abuses them.

(5) *Degrees.*

The degrees of A. B., Ph. B. and S. B. will be conferred by the Board of Trustees, on the recommendation of the faculty.

(6) *Major and Minor.*

All courses of instruction are classified as majors and minors. A major calls for sixty hours of work in the class room, and a minor for thirty hours.

(7) *Full and Partial Work.*

Each student is required to take three majors each quarter; but (1) a student, for reasons satisfactory to the President, may take one

major, or two minors, or even one minor, in which case he must show that he is making good use of all his time; (2) a student whose standing is unsatisfactory will be required to drop a part of his work.

(8) *Selection of Courses.*

(1) Required. Upon entering the Freshman Class each student selects one of the three lines of work leading to one of the three degrees, A. B., Ph. B. and S. B., as follows: the full work of the first and second years consists of eighteen majors, and each twelve weeks thereafter the student will select three majors until the total number of eighteen majors shall have been completed. The following table exhibits the arrangement of subjects in accordance with which the student is required to make his selections. It is recommended that *the electives be taken only during the third and fourth years.*

[The figures under the word "total" indicate the total number of majors including preparatory work.]

FOR THE DEGREE OF A. B.

	Majors	*Total*
Latin	3	12
Greek	6	12
Mathematics	2	7
English	5	11
History	3	6
German or French	3	3
Philosophy	2	2
Science	2	4
Electives	10	10
Total	36	67

FOR THE DEGREE OF PH. B.

	Majors	*Total*
Latin or Greek	3	12
German or French	9	15
Mathematics	2	7
English	5	11
History	3	6
Philosophy	2	2
Science	2	4
Electives	10	10
Total	36	67

FOR THE DEGREE OF S. B.

	Majors	*Total*
Latin	3	9
Mathematics	3	9
German or French	3	9
English	5	11
History	3	6
Philosophy	2	2
Science	7	11
Electives	10	10
Total	36	67

(2) Advances courses in a department may not be selected before the more elementary work necessary for their successful prosecution has been properly performed.

(3) An instructor, with the approval of the President, may make the completion of the studies in tributary departments a condition in the selection of courses.

(4) Junior and Senior Years. The regulations announced above in regard to the selection of courses apply to all students. The following are also added for the Juniors and Seniors:

I. A student may not select more than one-half his majors and minors during any thirty-six weeks of college work from any one department.

2. A student may not select his majors and minors during any thirty-six weeks of college work from more than four different departments.

(9) *Rooms.*

Students will not be allowed to room in any building in which a family does not reside, and in all cases they must secure rooms in such families as are recommended by the President.

(10 *Payment of Bills.*

Quarter bills, including the tuition fee and library fee, will be delivered at the beginning of the Quarter. If not paid within one week of the time they are issued, the student may be prohibited from reciting.

(11) *Attendance.*

All students, after enrollment, are accountable for attendance upon recitations and other public duties to which they may be assigned. This requirement includes the first day of the term as well as the last.

(12) *Additional Credit.*

Any student who is admitted by certificate from any high school, or academy, or preparatory school, or private tutor, and offers more than the number of majors given on page —, in any department or subject, will not receive the additional credit which he desires until he passes a satisfactory examination at the College, in work of equal grade with that performed in the regular College classes.

IV. REPORTS.

At the end of a Quarter the standing of each student for that Quarter will be reported to his parents or guardians, if desired.

V. RELIGIOUS TRAINING.

The supreme aim of this College is to send out not merely finished scholars, but also able and willing Christian workers. Students are expected to attend daily chapel exercises, and divine services and Bible

school on the Lord's Day. The study of the English Scriptures is open to all students. The great end sought is familiarity with the Word of God. Questions which belong to dogmatic theology are avoided. Special attention is given to the Bible as an English classic. Its relations to civil and religious liberty, to a sound education, and to all the practical affairs of life are especially considered. The instruction is intended to give one a knowledge of this incomparable Book as man's safest guide.

The faculty and the students maintain a weekly prayer-meeting, and the students also carry on several religious societies whose meetings occur weekly. No year, and hardly a term passes without a marked religious interest in the institution.

Special pains are taken to make the College, in all of its departments, thoroughly and positively Christian. It is conducted on the theory that a school founded and supported by the prayers and money of Christians is as truly a religious and evangelizing organization as the Christian church.

VI. LITERARY SOCIETIES.

The students maintain three literary societies which meet weekly and are well sustained. They furnish excellent opportunities for the students to acquaint themselves with parliamentary usage and to cultivate the art of public speaking and essay writing.

VII. THE LIBRARY AND READING ROOM.

The library contains about 3,000 volumes, which have been classified and indexed on the Dewey decimal system with 3,000 reference cards. Great care has been taken in the selection of these books. The selection is choice, especially as adapted to the needs of the students in their every day work. In some departments much stress is laid upon the trainlng of students in the use of books, especially in the departments of English History and Philosophy, where are found superior facilities for study and investigation. In connection with the library is a reading room, which is supplied with about fifty of the best papers and periodicals. Students have the daily use of these rooms. The rooms are in charge of an experienced librarian, who renders valuable assistance to the student in his work. Students also have access to the city and State libraries, which are large and very valuable, both for reference and for general reading.

VIII. LABORATORIES.

The laboratories for experimental work in chemistry, physics, botany and zoology, forty by forty-eight feet, are supplied with benches and tables and all appliances needed for the practical illustration of the subjects taught. The apparatus is new and of the latest kind. The laboratories of physics, chemistry and biology occupy the second and third floors of North Hall. The biological laboratory is amply supplied with compound and dis-

secting microscopes, microtomes and other apparatus and material for the work undertaken in this department. The chemical and physical laboratories, located on the third floor, include a large laboratory for general chemistry and qualitative analysis, another for general physics, a dark room for photometric and photographic work, a smaller chemical laboratory for quantitative work, a chemical storeroom, the professor's private room and a large class room. All are well lighted and ventilated, and admirably arranged and equipped.

IX. BOARD AND ROOMS.

Rooms, with or without board, may be found in private families in the neighborhood of the College. No provision has been made by the institution for furnishing rooms in dormitories for students, but rooms may be rented in the vicinity at a reasonable rate.

MUSIC.

Music is taught as a special subject. This department is in charge of competent teachers, and is designed to furnish the facilities for a thorough musical education. No definite time can be fixed for completing the work required for graduation. Some students progress much more rapidly than others and are able to meet the requirements in much less time.

REQUIREMENTS.

I. GENERAL.

All candidates will be required to pass a satisfactory examination in the following:

1. *History.* The amount shall be equal to Myer's Ancient, Mediæval and Modern Histories, or five majors.

2. *English.* The amount shall be equal to that required for entrance into the Freshman class of the College, or six majors.

In the above, instead of a special examination, the candidate may be permitted to offer certificates from instructors or institutions deemed reliable by the examiners, that this work in History and English has been creditably performed.

3. The candidate shall supply in a piece of music furnished by the examiners all such marks of expression as would be necessary to indicate an artistic and correct technical performance of the selection.

4. *General History* of music and the fundamental principles of music as a science and an art.

5. *Harmony.* The exercise shall be as follows: (*a*) a complete table of intervals; (*b*) a given bass to be worked out in four parts; (*c*) a given melody to be harmonized in four parts; (*d*) modulation to be worked out in four given keys.

6. *Original Composition.* The candidate will be required to write a four-part original composition adapted to a given hymn or poem, and also to write an original piece for the piano in such form as the examiners may require. The object of this requirement is to test the facility of the student in writing music.

II. PIANO FORTE.

The course for the piano forte is divided into the three general divisions, namely: primary, preparatory and conservatory. The candidate will be required, in addition to the above general requirements:

1. To show a thorough understanding of the fundamental form of piano passages by performing a series of test exercises on the scales, chords, and their arpeggios.

2. To perform a certain number of compositions selected by the examiners from the course given below. Although the candidate will not be required to perform these selections from memory, yet this is desirable and will entitle him to a larger number of credits.

3. To read at sight a composition of moderate difficulty.

4. Great importance will be attached to the candidate's mastery of touch and discrimination of expression.

5. To transpose a short excerpt selected by the examiners.

6. The following courses indicate more particularly the order and amount of work:

Etudes by Enckhausen.
McDougal Melody Studies.
Duverney, Op. 120.
Schumann Kinderscenen.
Sonatinas by Clementi.
Etudes by Heller from Op. 46, 47 and 48.
Loeschorn, Op. 65 and 66.
Bertini, Op. 29, 32.
Czerny's Volocity Studies.
Loeschorn, Op. 66.
Wagner's First Lessons.
Heller, Op. 16.
Zwintscher's Technical Studies.
Bulow's Cramer.
Bach's Inventions.
Moscheles, Op. 70.
Cramer's studies.
Kullak's Octave Studies.
Clementi's Gradus.
Bach's W. T. Clavichord.
Henselt's Etudes, Op. 2.
Chopin's Etudes.
Rubenstein's Etudes.

Sonatas by Kuhlan, Hayden, Mozart, Beethoven and Weber, and selections from Liszt, Chopin, Mendelssohn, Schumann and Reubenstein.

III. VOCAL.

In addition to the general requirements stated above, the candidates in vocal music will be required:

1. To sing two selections of moderate difficulty, namely, a ballad and an excerpt from an oratorio.

2. To read at sight a selection of moderate difficulty in five different keys.

3. Special attention will be given to accuracy of tune or pitch, and to the candidate's taste in expression.

4. To have one year in German or three majors.

PRIZES.

1. The McKay prize, established by E. B. and A. N. McKay, will be awarded to that member of the Sophomore class who shall excel in debate. There must be not less than four lisputants. Each disputant will be limited to fifteen hundred words.

2. The Hunn prize, established by E. S. and C. E. Hunn, will be awarded to that member of the Junior class who shall compose and deliver the best oration. The oration shall not exceed fifteen minutes in delivery.

3. University Fellowships. The College is entitled to appoint each year three of its graduates for graduate work in the University of Chicago. The value of each Fellowship is $150.

4. The Tilden gold medal, established by Rev. H. W. Tilden, D. D., will be awarded to that student who shall be adjudged to be the best performer upon the piano. The contest shall take place at the middle of the Winter Quarter. The judges shall be selected by the donor of the prize.

5. The Witter prize established by Rev. W. E. and Mrs. Mary E. Witter, will be awarded to that member of the Senior class who shall compose and deliver the best oration upon an assigned missionary subject.

ACADEMY.

I. RELATION TO THE COLLEGE.

The Academy is an organic department of Des Moines College, The students occupy the College Buildings, and are under the direct supervision of the College faculty.

II. EXAMINATION FOR ADMISSION.

Applicants for admission to the Academy will be examined in Arithmetic, English, History of the United States and Geography.

1. *In Arithmetic*, the examples set will be practical problems in Common and Decimal Fractions, Common Measures and Percentage as it is applied in ordinary business, Square and Cube Root, Equation of Payments. The Metric System and the more difficult parts of Mensuration will not be required. Mental Arithmetic, from dictation, will be a part of the examination, and both the facility and accuracy of the candidate will be tested.

2. *In English*, the examination wlll include reading aloud, writing from dictation, paraphrasing, and defining, composition writing and English Grammar. The latter should be so taught as to be the greatest possible help to a student about to begin the study of Latin. Whitney and Lockwood's or Meiklejohn's English Grammar, or Harper and Burgess' "Inductive Studies in English Grammar" is recommended.

3. *In History*, an elementary acquaintance with the great facts in the history of the United States will be expected. There should be an abundance of reading that will serve to awaken interest in the subject and to make the student familiar with the spirit of the times that he studies. Dates should be taught sparingly and with judgment. Higginson's Young Folks' History of the United States will fairly indicate the kind of work desired.

4. *In Geography* most of the time for preparation should be given to the United States and Europe. Only the most interesting and valuable facts should be learned. Emphasis should be given to natural resources and "Commercial Geography." Incorrect spelling of geographical names in the examination will decidedly lower the applicant's grade.

In all the above subjects the time of examination will be limited.

INTRODUCTORY YEAR.

An introductory year will be included in the curriculum for the study of English, Arithmetic, History and Geography.

This year will provide for (1) those who are unable to pass the above examination; (2) those who desire to pursue a thorough and practical English Course for a year.

This introductory year has been prefixed because the teachers of the Academy have learned from experience that in very many instances any high attainment in College preparation is made entirely impossible by the lack of solid foundation in elementary subjects, and because that kind of elementary instruction which is properly introductory to a preparatory course is not provided in some localitles. Many who expect to enter at once upon the preparatory course will undoubtedly find it necessary to spend another year upon the common English branches.

The course of study will be as follows:

		Recitations per week
AUTUMN	English	5
	Arithmetic	5
	Geography	5
WINTER	Arithmetic	5
	English	5
	Geography	5
SPRING	English and History	5
	Arithmetic	5
	Geography	5

COURSES FOR THE DEGREE OF A. B.

		FIRST YEAR	SECOND YEAR	THIRD YEAR
		Hrs. per wk	*Hrs. per wk*	*Hrs. per wk*
FALL	*1st Term*	Latin 5 History of Greece 5 English 6	Latin 5 Algebra 5 Greek 5 English 2	Latin 5 Greek 5 Geometry 5 English 2
FALL	*2d Term*	Latin 5 History of Greece 5 English 6	Latin 5 Algebra 5 Greek 5 English 2	Latin 5 Greek 5 Geometry 5 English 2
WINTER	*1st Term*	Latin 5 History of Rome 5 English 6	Latin 5 Greek 5 Algebra 5 English 2	Greek 5 Physics 5 English 6
WINTER	*2d Term*	Latin 5 History of Rome 5 Algebra 5 English 2	Latin 5 Greek 5 Geometry 5 English 2	Greek 5 Physics 5 English 6
SPRING	*1st Term*	Latin 10 Algebra 5 English 2	Latin 5 Greek 5 Geometry 5 English 2	Greek 5 Physics 5 English 6
SPRING	*2d Term*	Latin 10 Algebra 5 English 2	Latin 5 Greek 5 Geometry 5 English 2	Latin 5 Greek 5 Physics 5 English 2

COURSES FOR THE DEGREE OF PH. B.

		FIRST YEAR		SECOND YEAR		THIRD YEAR	
			Hrs. per wk		*Hrs. per wk*		*Hrs. per wk*
FALL	*1st Term*	Latin or Greek	5	Latin or Greek	5	Latin or Greek	5
		History of Greece	5	Algebra	5	German	5
		English	6	German	5	Geometry	5
				English	2	English	2
	2d Term	Latin or Greek	5	Latin or Greek	5	Latin or Greek	5
		History of Greece	5	Algebra	5	German	5
		English	6	German	5	Geometry	5
				English	2	English	2
WINTER	*1st Term*	Latin or Greek	5	Latin or Greek	5	German	5
		History of Rome	5	German	5	Physics	5
		English	6	Algebra	5	English	6
				English	2		
	2d Term	Latin or Greek	5	Latin or Greek	5	German	5
		History of Rome	5	German	5	Physics	5
		Algebra	5	Geometry	5	English	6
		English	2	English	2		
SPRING	*1st Term*	Latin or Greek	10	Latin or Greek	5	German	5
		Algebra	5	German	5	Physics	5
		English	2	Geometry	5	English	6
				English	2		
	2d Term	Latin or Greek	10	Latin or Greek	5	Latin or Greek	5
		Algebra	5	German	5	German	5
		English	2	Geometry	5	Physics	5
				English	2	English	2

COURSES FOR THE DEGREE OF S. B.

		FIRST YEAR	SECOND YEAR	THIRD YEAR
		Hrs. per wk	*Hrs. per wk*	*Hrs. per wk*
FALL	*1st Term*	Latin 5 History of Greece 5 English 6	Latin 5 Algebra 5 German 5 English 2	German 5 Geometry 5 Science, Biology 5 English 2
FALL	*2d Term*	Latin 5 History of Greece 5 English 6	Latin 5 Algebra 5 German 5 English 2	German 5 Biology 5 Geometry 5 English 2
WINTER	*1st Term*	Latin 5 History of Rome 5 English 6	Latin 5 German 5 Algebra 5 English 2	German 5 Physics 5 English 6
WINTER	*2d Term*	Latin 5 History of Rome 5 Algebra 5 English 2	Latin 5 German 5 Geometry 5 English 2	German 5 Physics 5 English 6
SPRING	*1st Term*	Latin 10 Algebra 5 English 2	German 5 Geometry 5 Science, Biology 5 English 2	German 5 Physics 5 English 6
SPRING	*2d Term*	Latin 10 Algebra 5 English 2	German 5 Geometry 5 Science, Biology 5 English 2	Geometry 5 German 4 Physics 5 English 2

V. REMARKS ON DIAGRAMS.

1. *At the end of the work* of the second year, the pupil will be prepared to pass a preliminary examination covering the following subjects as given in the requirements for admission to the College. Latin: (1,) (2,) and (3;) History and Algebra.

At the end of the work of the third year, the student will be prepared upon English, Geometry, Greek, Latin (4) and (5,) German, Science.

2. In all courses there will be readings in the English authors, whose works are required for admission to the College. This will take one hour a week of work in the class-room. (For a list of the works see page 8.)

3. *An amount of good work* equal to thirty-one major courses is required of a student taking a full course of three years, of thirty-six weeks each, as will be seen from the diagrams. In the group for A. B., these courses are thus distributed:

Latin	9
Greek	6
Mathematics	5
English	6
History	3
Science	2
Total	36

A major calls for sixty recitations.

VI. REGULATIONS GOVERNING THE SELECTION OF COURSES.

1. Announcements of the studies of each quarter will be made, and from these selections must be made.

2. *Students in continuous residence* shall select at one time two majors and two minors, the work of a Quarter. The selection shall be handed to the President of the College within three weeks from the date of the announcement. Permission to substitute other courses will be granted only when, for any reason, a course offered is withdrawn, or for exceptional reasons of which the President of the College may approve. If a course be withdrawn, second choices must be made within a week after the appearance of a revised announcement.

VII. ENGLISH COURSE.

A course in English studies will be provided for those who, for satisfactory reasons, wish to omit both Ancient and Modern languages. This course will include Grammar, Arithmetic, Geography, History, Algebra, Geometry, Trigonometry, Rhetoric, Logic, Zoology, Philosophy, Greek

Literature in English, Latin Literature in English, German and French Literature in English, English Literature, Didactics and Biblical Literature. The work will be of the same quantity as it is in the orther courses.

VIII. OBJECT OF THE ACADEMY.

The *main object* at which the Academy aims, is to fit its pupils intellectually and morally for the various occupations of life which they may afterwards select. Its object therefore is not simply to impart a certain amount of information in a given time, but to arouse in the pupil a desire for learning, to teach him methods, to develop in him manliness, self-reliance, accuracy and other qualities which will be essential to his success in the future.

It is believed that this can best be obtained by courses of study preparatory to higher institutions, and with this end in view, the Academy offers to prepare students for the Undergraduate Department of any American College or Scientific School. The subjects of study will be so wide in their range as to interest all classes of minds and to prepare for many forms of more advanced work, but not so wike and miscellaneous as to produce distraction, superficiality and impotence.

STUDENTS.

COLLEGE.

Adams, Helen Grace,	Des Moines
Adams, Jabez Lawrence,	Ft. Dodge
Alldredge, Elizabeth,	Des Moines
Abernethy, Clara Louise,	Osage
Atkinson, Arthur W.,	Hampton
Aitchison, Harriet Ruth,	Des Moines
Bacon, Kittie,	Osage
Barker, Maude Lee,	Des Moines
Bartlett, Jessica Mae,	Des Moines
Bartlett, Katherine L.,	Des Moines
Brasted, Alva J.,	Ida Grove
Bennett, Bird Estelle,	Des Moines
Bowman, Ella May,	Winterset
Clark, Charles V.,	Osage
Chandler, Una C.,	Des Moines
Carpenter, Martha M.,	Rock Rapins
Carpenter, Florence,	Rock Rapids
Clifford, Wesley N.,	Des Moines
Colby, Henry E.,	Waverly
Coonradt, Bert H.,	Osage
Davies, George R.,	Wappeton, N. D.
Douglas, Mattie Y.,	Des Moines
Dorrance, Nina,	Brooklyn
Dorrance, Ada F.,	Brooklyn
Durley, Addie K.,	Des Moines
Eldredge, Clarence H.,	Des Moines
Edmonson, Robert Burton,	Fremont
Fallgatter, Ward,	Canistota, S. D.
Freese, Caroline	Des Moines
Fowler, Maude H.,	Jefferson
Gatchell, Clarence H.,	Des Moines
Garlock, Cora,	Des Moines
Garton, George L.,	Des Moines

Goodell, Fred W.,	Des Moines
Groesbeck, Fred L.,	Lorimor
Guild, William A.,	Carlisle
Hemphill, B. C.,	Swaledale
Hodgson, Ada L.,	Des Moines
Jackley, J. J.,	Frankton, Ind.
Jackson, Charles C.,	Des Moines
Johnson, Mary G.,	Osage
King, William J.,	What Cheer
Lapham, Anna E.,	Des Moines
Latimer, James V.,	Red Oak
Leland, Nellie,	Boone
Macy, Wenonah E.,	Des Moines
McFarland, Frances E.,	Des Moines
McKenzie, John,	Living Springs
Mentzer, Mabel F.,	Shenandoah
Merrill, Charles,	Hartington, Neb.
Miller, Henry C.,	Belleville, Mich
Moore, Hugh F.,	Webster City
Mullinnix, Myrtle M.,	Winterset
Neveln, Samuel F.,	Victor
Nelson, Frank D.,	Harlan
North, W. A.,	Latimer
Norton, James L.,	Des Moines
Ogg, Mason C.,	Prairie City
Partch, Mary,	Jewell City, Kas.
Patterson, Charles F.,	Des Moines
Pedersen, James H.,	Cascade
Pine, Louis H.,	Atlantic
Plimpton, Elfleda M.,	Denison
Rittgers, Findley,	Ridgedale
Rowatt. Harry L ,	Des Moines
Swan, Henry Man,	Des Moines
Stanley, Mary,	Bagley
St. Clair, Frank E. E.,	Hampton
Scherer, John D.,	Lake Crystal, Minn
Stephenson, Winfred N.,	Des Moines
Smith, Linnie C.,	Des Moines
Schoemaker, Daniel M.,	Muscatine
*Stoughton, Harry A.,	Perry
Twombly, Eva,	Des Moines
Turrill, Will H. A.,	Des Moines
Van Liew, Fred L.,	Des Moines

*Universtiy of Chicago; enrolled in accordance with articles of affiliation.

Ward, Everett C.,	Renwick
Welch, Robin L.,	Des Moines
Welch, Ruby D.,	Des Moines
Webster, O. Guy,	Osage
Wilson, Harry L.,	Des Moines
Woodward, Olive E.,	Osage
Wyckoff, Clyde H.,	Emerson

ACADEMY.

Benning, Nelson W.,	Boone
Bissel, Helen E.,	Waterloo
Bowman, Ella May,	Winterset
Crane, Arthur W.,	Minburn
Crane, Mamie,	Minburn
Catlin, Ira B.,	Cumberland
Cheyney, Charles,	Glenwood
Crose, Reuben B.,	Shenandoah
Cole, Henry E.,	Boone
Curtis, L. F.,	Russell
Dickey, Mabel,	Maxwell
Douglas, Mattie Y.,	Des Moines
Dorrance, Nina,	Brooklyn
Dorrance, Ada F.,	Brooklyn
Edmonson, Robert Burton,	Fremont
Estle, Alice,	Minburn
Estle, Roy R.,	Minburn
Eldredge, Lulu Maude,	Des Moines
Elder, Robert,	Cascade
Elliott, Elmore A.,	Syracuse, Ill.
Freese, Caroline,	Des Moines
Fowler, Maude M.,	Jefferson
Garfield, Robert K.,	La Fox, Ill
Garton, George L.,	Des Moines
Groesbeck, William D.,	Lorimor
Hageman, Anthony C.,	Waterloo
Hammerly, Edwin C.,	Burnside
Hemphill, B. C.,	Swaledale
Hurd, Norabel,	Des Moines
Jackley, John J.,	Frankton, Ind
Jeanson, Reba H.,	Des Moines
Jennings, Winifred,	Boone
King, William J.,	What Cheer
Merrill, Charles,	Hartington, Neb
Mills, Ernest,	Renwick
Neveln, Samuel F.,	Victor
Nelson, Frank D.,	Harlan
Northern, Frank M.,	Des Moines
Patchin, Ira H.,	Des Moines

Rex, Eben, M.,	Lake City
Rittgers, Findley,	Ridgedale
Rogers, Lewis B.,	Colfax
Russell, Nellie S.,	Woodhull, Ill
Stanley, Sadie,	Bagley
Siddorn, Roberta M.,	Hoisington, Kan
Twombly, Eva,	Des Moines
Van Liew, Fred L.,	Des Moines
Ward, Everett C.,	Renwick
Williams, Fred,	Sheffield
Wright, Jesse V.,	Mt. Ayr
Wyckoff, Clyde H.,	Emerson

MUSIC.

I. PIANO.

Braden, Carrie C.,	Goldfield
Bartlett, Jessica M ,	Des Moines
Carpenter, Florence,	Rock Rapids
Dickey, Mabel,	Maxwell
Freese, Caroline,	Des Moines
Fletcher, Mary,	Des Moines
Hunter, ——	Des Moines
Kelsey, Rosena,	Des Moines
Leland, Nellie,	Boone
Liston, Waldin,	Des Moines
Mullinnix, Myrtle M.,	Winterset
Robinson, Irene,	Des Moines
Newman, Walter H ,	Des Moines
Stephenson, Helen,	Des Moines

II. VOCAL.

Archer, Edith M.,	Primghar
Braden, Carrie C.,	Goldfield
Bartlett, Jessica M.,	Des Moines
Bartlett, Katherine,	Des Moines
Baxter, Ida,	Des Moines
Baker, Grace C.,	Des Moines
Barker, Maud L.,	Des Moines
Cassell, Eppie,	Des Moines
Carpenter, Florence,	Rock Rapids
Dudley, Charlotte L.,	Des Moines
Hurd, Norabel,	Des Moines
Johnston, Anna L.,	Des Moines
Moore, Hugh F.,	Webster City
Mullinnix, Mary M.,	Winterset
Newell, Ada,	Des Moines
Owens, Maude,	Des Moines
Patterson, Nellie,	Des Moines
Penn, Estelle,	Des Moines
Price Walter,	Des Moines
Price Charlotte,	Des Moines
Stanley, Sadie,	Bagley
Siddorn, Roberta,	Hoisington, Kas
Smith, Helen E.,	Des Moines
Turrill, Mary A.,	Jefferson
Turrill, W. H. A.,	Jefferson
Wilson, Alice C.,	Des Moines

SUB-PREPARATORY.

Baily, Robert W.,	Des Moines
Catlin, Ira,	Cumberland, Ill
Elliott, Elmore A.,	Sycamore, Ill
Groesbeck, William D.,	Lorimor
Lovelace, Hattie B.,	Churdan
McVey, Charles H.,	Des Moines
Patchin, Philip,	Des Moines
Patchin, Ira,	Des Moines
Siddorn, Roberta,	Hoisington, Kan
Scruggs, Hattie E.,	Mitchellville
Williams, Fred,	Sheffield

SUMMARY.

COLLEGE		83
ACADEMY		51
MUSIC:		
Piano	14	
Vocal	26	40
SUB-PREPARATORY		11
Total in all Departments		185
Names Counted More than once		34
Enrollment for the Year		151

DEGREES CONFERRED.

A. M.

Hulbert G. Beeman.
Frederick W. Bateson.
John A. Curtis.
Thomas U. McManus.
Edwin W. Mecum.

A. B.

Helen G. Adams.
Bird E. Bennett.
Arthur W. Atkinson.
Hugh F. Moore.
Charles F. Patterson.
Harry A. Stoughton.

PH. B.

Henry C. Miller.
Mary Partch.
Elfleda M. Plimpton.

S. B.

Wesley N. Clifford.
Wenonah E. Macy.
Daniel M. Schoemaker.

GRADUATE IN MUSIC.

Mary M. Mullinnix

GRADUATES FROM THE ACADEMY.

Helen E. Bissel.
Alice Estle.
Lulu M. Eldredge.
John J. Jackley.
Samuel F. Neveln.
Findley Rittgers.

PRIZES.

Witter, Henry C. Miller.
McKay, Robin L. Welch.
Freshman, Florence Carpenter.

OFFICERS OF ALUMNI ASSOCIATION.

President, W. M. Plimlton, M. D., - - - - Glenwood
First Vice-President, Rev. F. W. Bateson, - - Denison
Second Vice-President, Miss W. E. Macy, - - Des Moines
Recording Secretary, Miss Etta F. Walker, - - Des Moines
Corresponding Secretary, Miss Adda F. Norton, - - Chicago
Treasurer, Miss Frances R. Wheeler, - - Sac City
Executive Committee, Guy Barker, - - - Des Moines
Adelaide McKay, - - Des Moines
Emma Rollinson, - - - Des Moines

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